

"Polypropylene Production At Supercritical Conditions"

Inventors: Patrick Brant, et al.

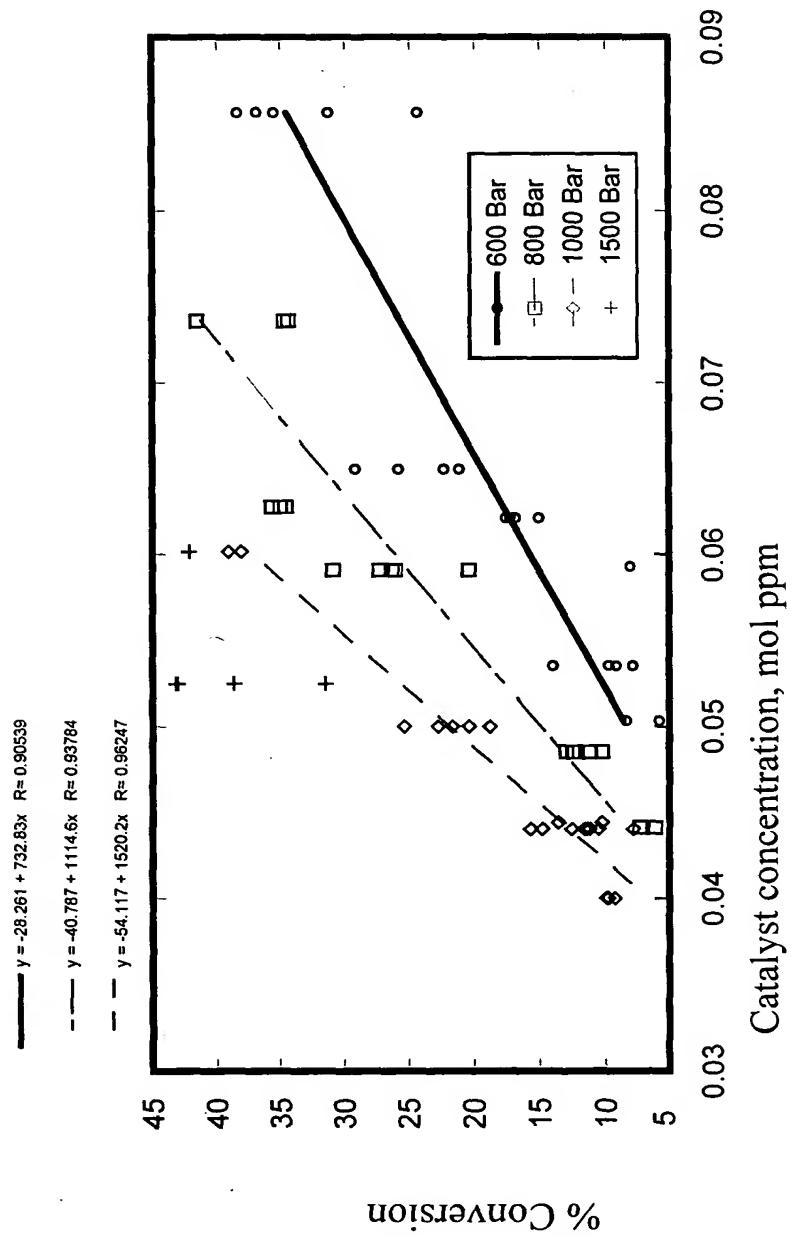


Figure 1

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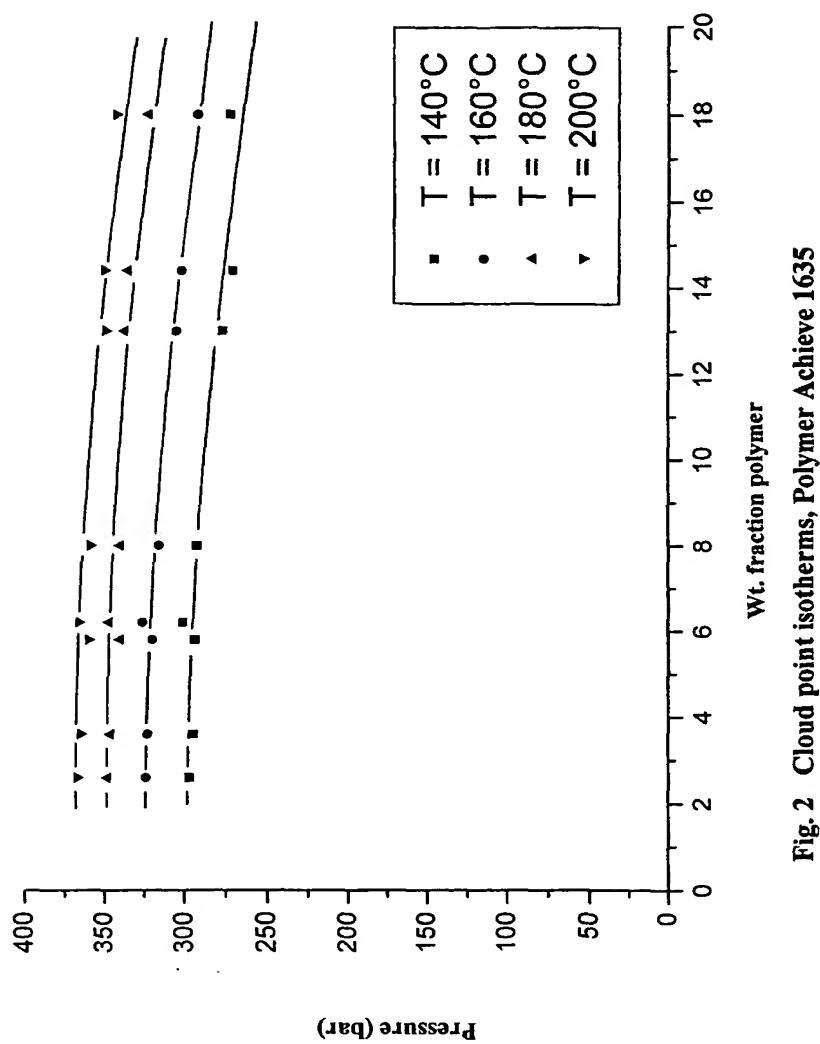


Fig. 2 Cloud point isotherms, Polymer Achieve 1635

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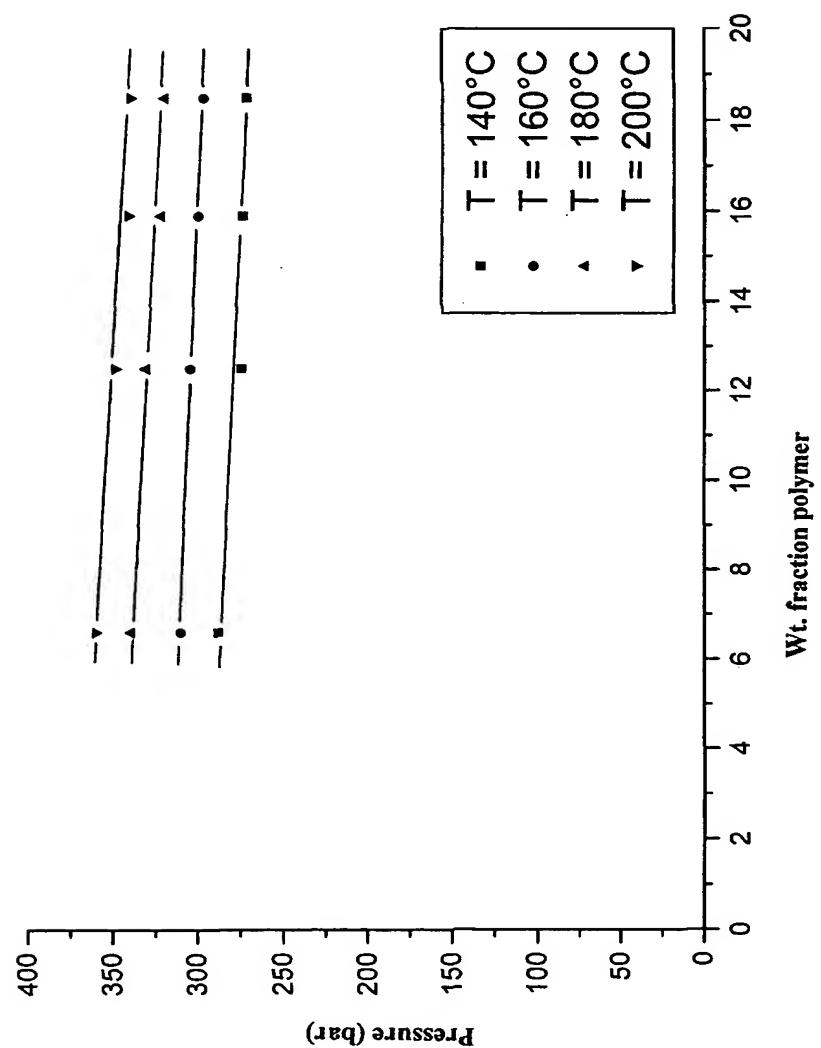


Fig. 3 Cloud point isotherms, Polymer PP 45379

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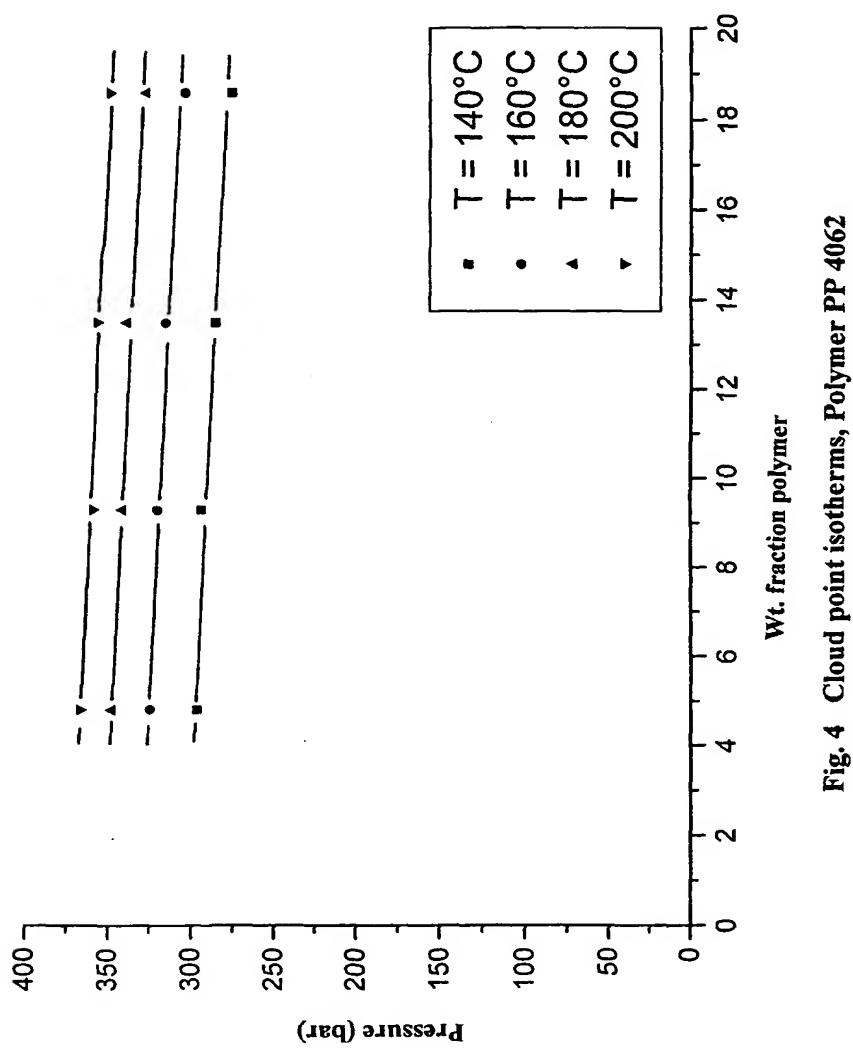


Fig. 4 Cloud point isotherms, Polymer PP 4062

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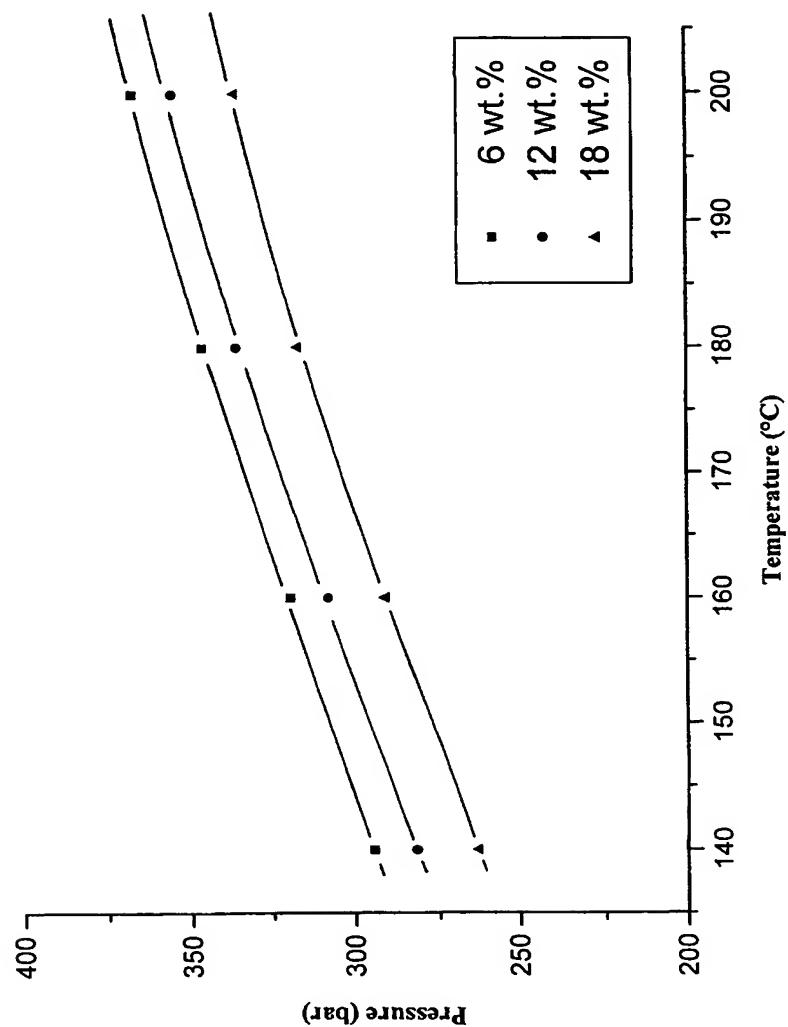


Fig. 5 Cloud point isopleths, Polymer Achieve 1635

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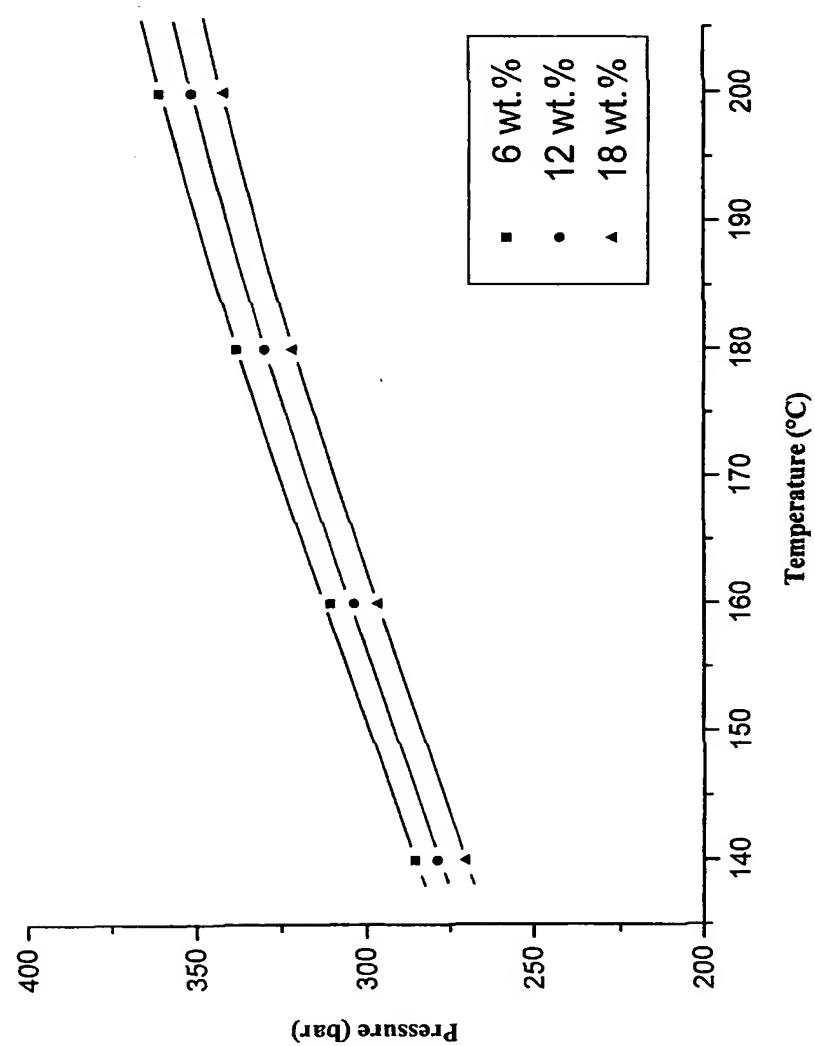


Fig. 6 Cloud point isopleths, Polymer PP 45379

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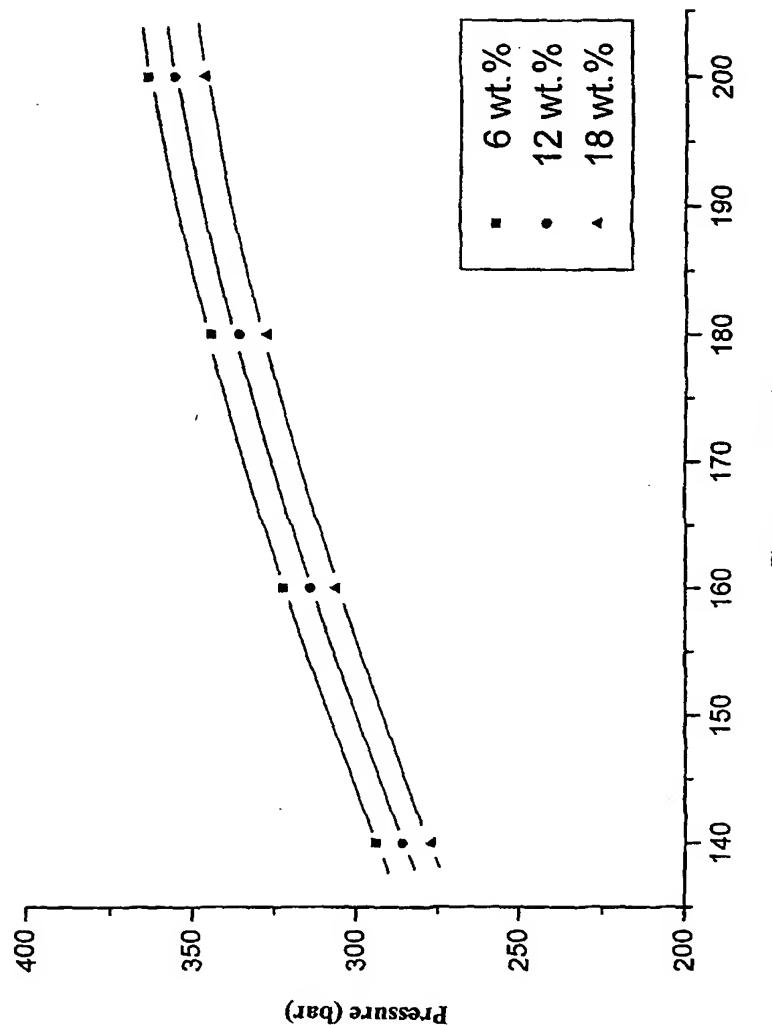


Fig. 7 Cloud point isopleths, Polymer PP 4062

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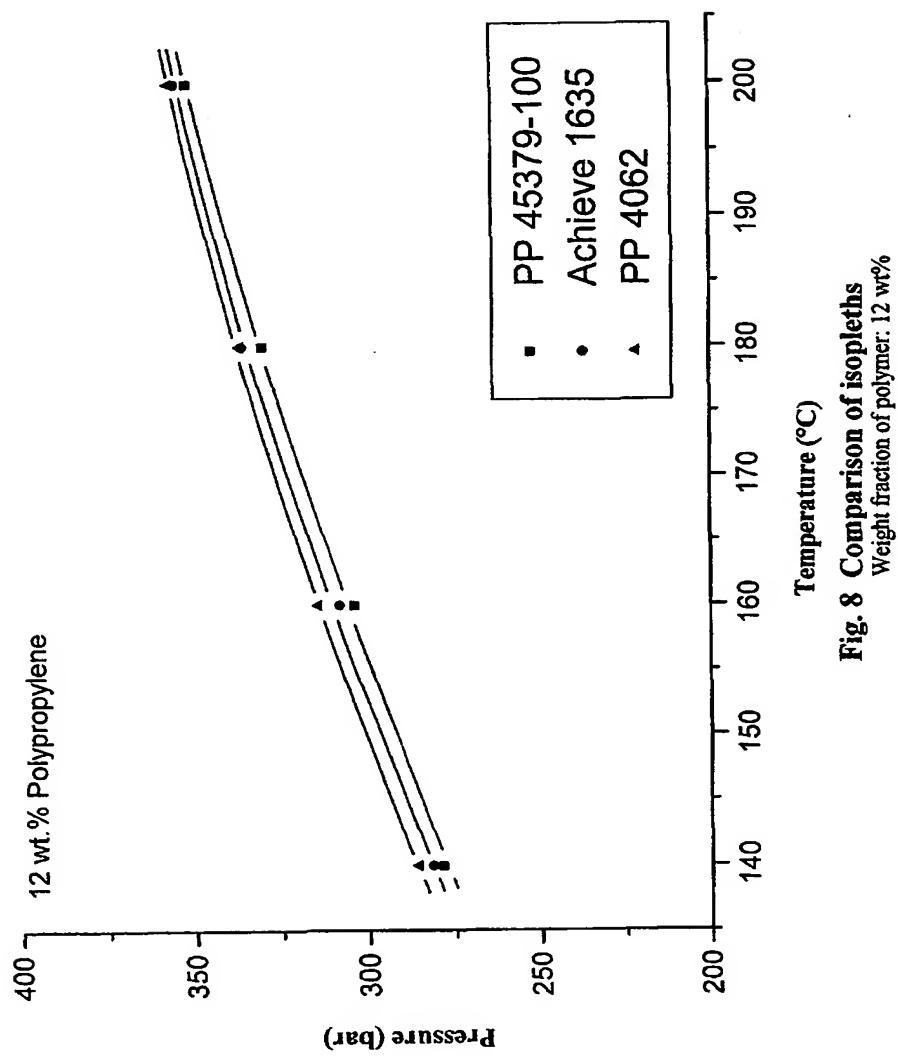


Fig. 8 Comparison of isopleths
Weight fraction of polymer: 12 wt%

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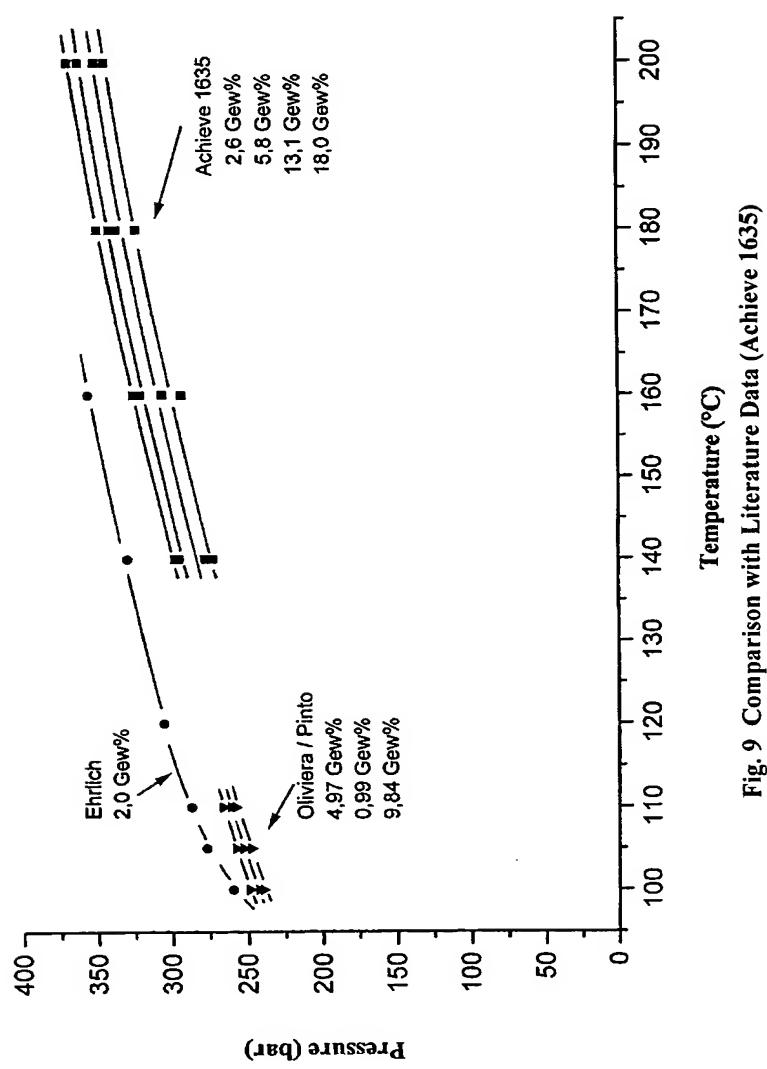


Fig. 9 Comparison with Literature Data (Achieve 1635)

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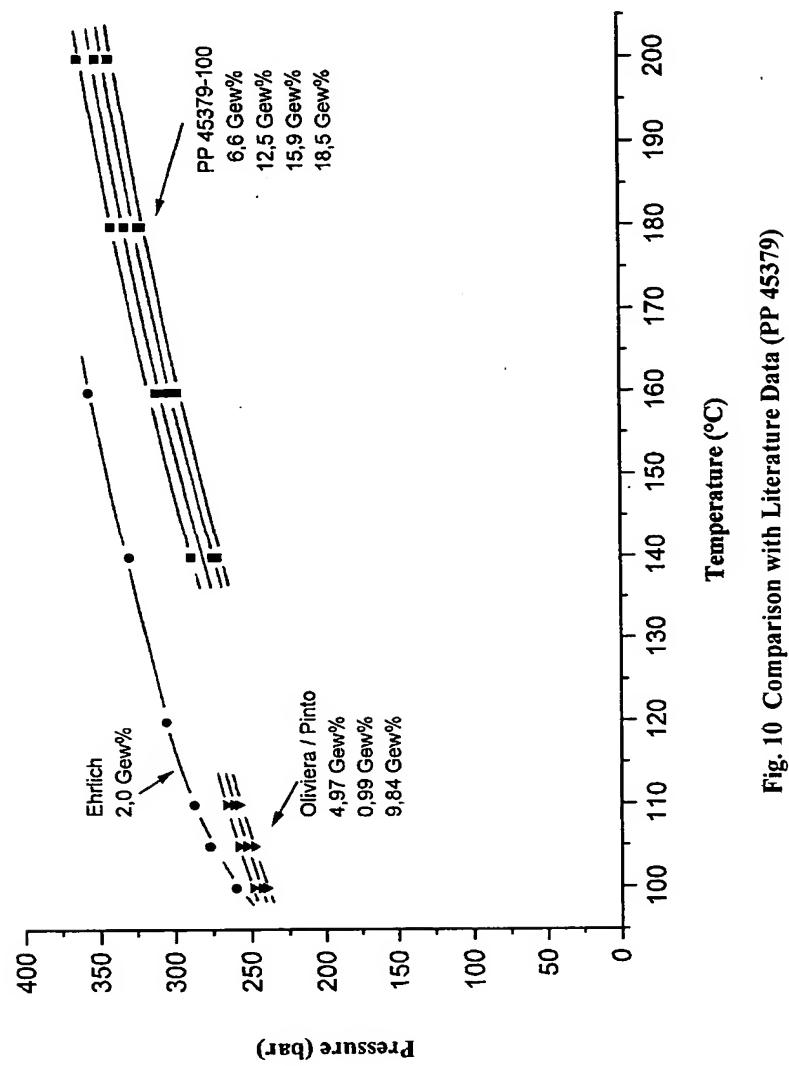


Fig. 10 Comparison with Literature Data (PP 45379)

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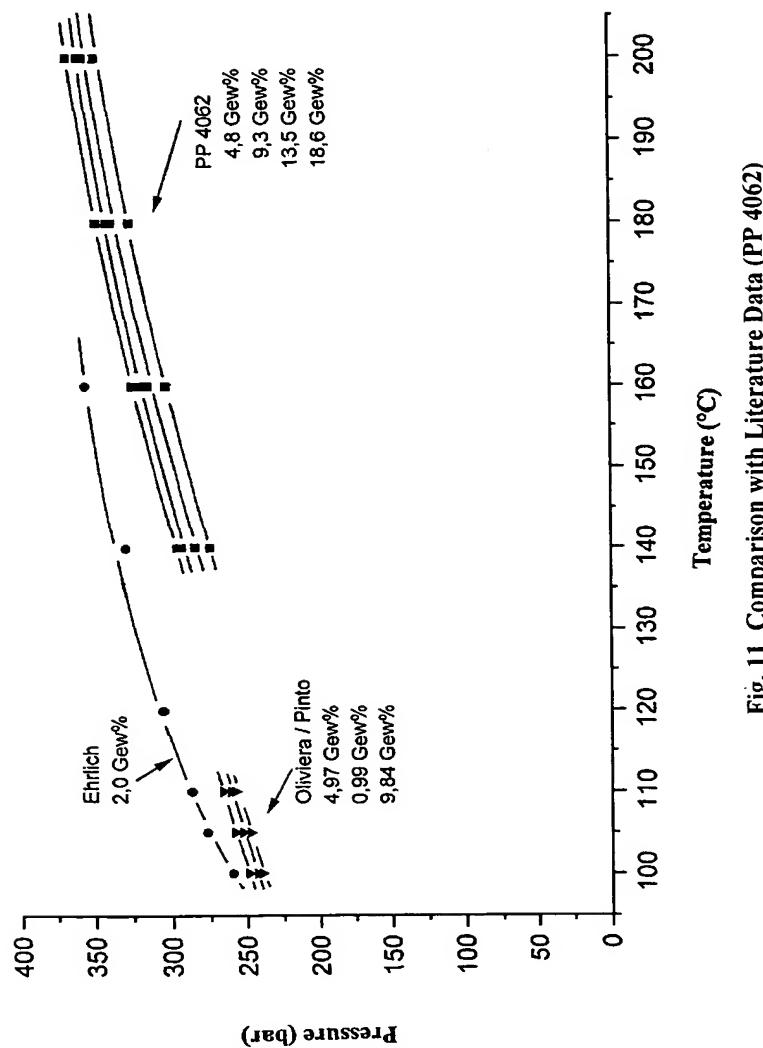
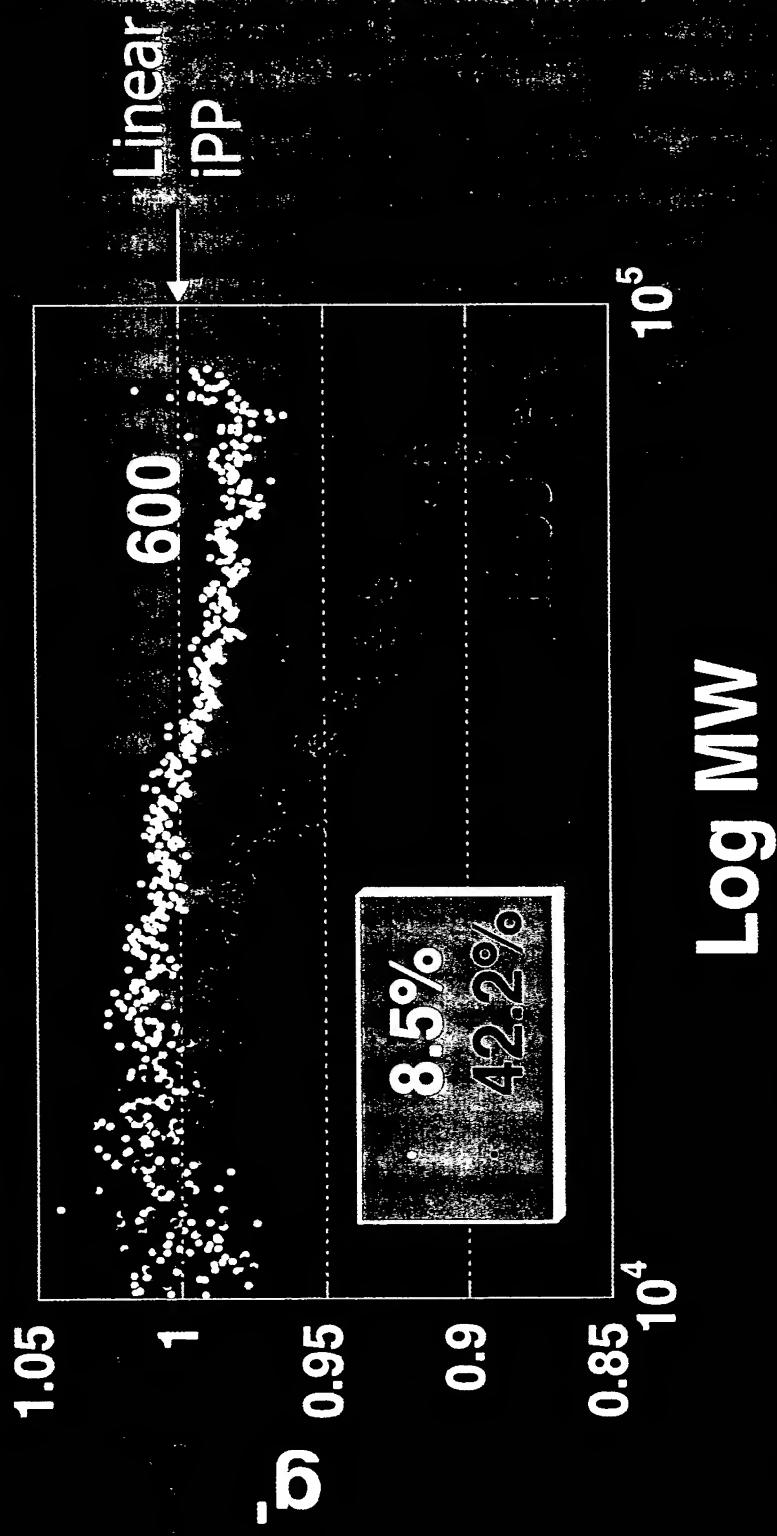


Fig. 11 Comparison with Literature Data (PP 4062)

GPC-3D Evidence for LCB

ExxonMobil
Chemical

Fig. 12



- g' decreases with increasing monomer conversion
- Slight broadening of M_z/M_w